



FILE 'TOXCENTER' ENTERED AT 15:10:55 ON 31 JUL  
2002  
COPYRIGHT (C) 2002 ACS

=> s 16  
L7 4 L6

=> dup rem 17  
PROCESSING COMPLETED FOR L7  
L8 1 DUP REM L7 (3 DUPLICATES  
REMOVED)  
ANSWER '1' FROM FILE BIOSIS

=> d bib abs

L8 ANSWER 1 OF 1 BIOSIS COPYRIGHT 2002  
BIOLOGICAL ABSTRACTS INC. DUPLICATE 1  
AN 1999:443776 BIOSIS  
DN PREV199900443776  
TI Role of tyrosine 265 of alanine racemase  
from *Bacillus stearothermophilus*.  
AU Watanabe, Akira; Kurokawa, Yoichi;  
Yoshimura, Tohru; Esaki, Nobuyoshi (1)  
CS (1) Institute for Chemical Research,  
Kyoto University, Gokasho, Uji,  
Kyoto, 611-0011 Japan  
SO Journal of Biochemistry (Tokyo), (June,  
1999) Vol. 125, No. 6, pp.  
987-990.  
ISSN: 0021-924X.  
DT Article  
LA English  
SL English  
AB Tyrosine 265 (Y265) of \*\*\**Bacillus*\*\*\*  
stearothermophilus is believed  
to serve as a catalytic base specific to  
the L-enantiomer of a substrate  
amino acid by removing (or returning) an  
alpha-hydrogen from (or to) the  
isomer on the basis of the X-ray  
structure of the enzyme (Stamper, C.G.,  
Morollo, A.A., and Ringe, D. (1998)  
Biochemistry 37, \*\*\*10438\*\*\*  
-10443). We found that the Y265fwdarwAla  
mutant (Y265A) enzyme is  
virtually inactive as a catalyst for  
alanine racemization. We examined the  
role of Y265 further with beta-  
chloroalanine as a substrate with the  
expectation that the Y265A mutant only  
catalyzes the alpha,beta  
elimination of the D-enantiomer of beta  
chloroalanine. However,  
beta chloroalanine also served as a  
substrate; this enantiomer was  
rather better as a substrate than its  
antipode. Moreover, the mutant  
enzyme was as equally active as the wild  
type enzyme in the elimination  
reaction. These findings indicate that  
Y265 is essential for alanine  
racemization but not for beta  
chloroalanine elimination.

FULL ESTIMATED COST  
4.27 17.04

INDEX 'ADISALERTS', 'ADISINSIGHT', 'ADISNEWS',  
AGRICOLA, ANABEST, AQUASCI,  
BIOBUSINESS, BIOCOMMERCE, BIOSIS,  
BIOTECHABS, BIOTECHDS, BIOTECHNO, CABAB,  
CANCERLIT, CASPLUS, CEABA VTB, CEN, CIN,  
CONFSCI, CROPP, CROPU, DDFB,  
DDFU, DGENE, DRUGB, DRUGLAUNCH,  
DRUGMONOG2, ...'  
ENTERED AT 15:11:40 ON 31 JUL 2002

=> FILES IN THE FILE LIST IN STNINDEX

Enter SET DETAIL ON to see search term  
postings or to view  
search error messages that display as 0\* with  
SET DETAIL OFF.

=> s (ncib or ncimb) (10a) 10438  
48 FILES SEARCHED...  
1 FILE USEFUL

1 FILES HAVE ONE OR MORE ANSWERS, 63  
FILES SEARCHED IN STNINDEX

L9 QUE (NCIB OR NCIMB) (10A) 10438

=> s (ncib or ncimb) (1) 10438 not 19  
36 FILES SEARCHED...

0 FILES HAVE ONE OR MORE ANSWERS, 63  
FILES SEARCHED IN STNINDEX

L10 QUE (NCIB OR NCIMB) (L) 10438 NOT L9

=> file stnguide  
COST IN U.S. DOLLARS  
SINCE FILE TOTAL

ENTRY SESSION  
FULL ESTIMATED COST  
2 12 19.16

FILE 'STNGUIDE' ENTERED AT 15:14:17 ON 31 JUL  
2002  
USE IS SUBJECT TO THE TERMS OF YOUR CUSTOMER  
AGREEMENT  
COPYRIGHT (C) 2001 AMERICAN CHEMICAL SOCIETY,  
JAPAN SCIENCE  
AND TECHNOLOGY CORPORATION, AND  
FACHINFORMATIONSENTRUM KARLSRUHE

FILE CONTAINS CURRENT INFORMATION.  
LAST RELEASED: JUL 31, 2001 12:00:00 PM

=> index bioscience  
FILE 'DRUGMONOG' ACCESS NOT AUTHORIZED  
COST IN U.S. DOLLARS  
SINCE FILE TOTAL

ENTRY SESSION  
FULL ESTIMATED COST

CANCERLIT, CAPLUS, CEABA VTB, CEN, CIN,  
CONFSCI, CFOPB, CROPU, DDFB,  
DDFI, DGENE, DRUGB, DRUGLAUNCH,  
DRUGMONOG2, ...'

63 FILES IN THE FILE LIST IN STNINDEX

Enter SET DETAIL ON to see search term  
postings or to view  
search error messages that display as 0\* with  
SET DETAIL OFF.

=> S CBS 101449  
49 FILES SEARCHED...

0 FILES HAVE ONE OR MORE ANSWERS, 63  
FILES SEARCHED IN STNINDEX

L11 QUE CBS 102449

=> S CBS 102448  
53 FILES SEARCHED

0 FILES HAVE ONE OR MORE ANSWERS. 63  
FILES SEARCHED IN STNINDEX

L12 QUE CBS 102448

=> S atcc 48272

3 FILE AGRICOLA  
2 FILE BIOBUSINESS  
7 FILE BIOSIS  
13 FILE BICTECHABS  
13 FILE BICTECHDS  
6 FILE BIOTECHNO  
12 FILE CAPLUS

<-----User Break----->

u

=> S atcc 48272 and protease  
33 FILES SEARCHED. .

1 FILE USPATFUL  
1 FILE WPIDS  
1 FILE WPINDEX

3 FILES HAVE ONE OR MORE ANSWERS, 63  
FILES SEARCHED IN STNINDEX

L13 QUE ATCC 48272 AND PROTEASE

file hits  
LAST IN US DOLLARS  
SINCE FILE 1000000

ENTRY SESSION

FULL ESTIMATED COST  
11.13 30.59

FILE 'USPATFULL' ENTERED AT 15:29:36 ON 31 JUL  
2002

CA INDEXING COPYRIGHT © 1962 AMERICAN  
CHEMICAL SOCIETY AUS

1996-1997 学年第一学期 期中考试 七年级数学试题

```
=> dup rem l14
PROCESSING COMPLETED FOR L14
L15          2 DUP REM L14 (0 DUPLICATES
REMOVED)
ANSWER '1' FROM FILE USPATFULL
ANSWER '2' FROM FILE WPIDS
```

=> d bib abs 1-2

Gutierrez, Santiago, Leon, Spain  
Barredo, Jose Luis. Burgos. Spain  
Montenegro Prieto, Eduardo, Leon, Spain  
Von Doehren, Hans, Berlin, Germany,  
Federal Republic of  
Palissa, Harriet, Berlin, Germany,  
Federal Republic of  
Van Liempt, Henk, Berlin, Germany,  
Federal Republic of  
PA Gist-Brocades, N.V., Delft, Netherlands  
(non-U.S. corporation)  
PI US 5882879 19990316  
AI US 1994-222617 19940404 (8)  
RLI Continuation-in-part of Ser. No. US  
1991-658398, filed on 19 Feb 1991,  
now abandoned  
PFAI EP 1990-200475 19900228  
EP 1990-200488 19900228  
EP 1990-201768 19900702  
EP 1990-202628 19901003

DT Utility  
FS Granted  
EXNAM Primary Examiner: Martinell, James  
LREP McDonnell Boehnen Hulbert & Berghoff  
CLMN Number of Claims: 30  
ECL Exemplary Claim: 1  
DFWN 32 Drawing Figure(s); 32 Drawing  
Page(s)  
IN.CNT 5174  
CIS INDEXING IS AVAILABLE FOR THIS PATENT.  
AB Novel methods and compositions are  
provided for the enhanced production  
of  $\beta$ -lactam antibiotics. The  
process is exemplified by the  
production of penicillin. In addition,  
the *P. chrysogenum* and *A.*  
*chrysogenum*  $\delta$ . (*L*.  $\alpha$ -.  
aminoadipyl) *L* cysteinyl *D* valine  
synthetase genes have been isolated  
sequenced. Also methods are  
provided for the production of  $\delta$ -.  
*L*.  $\alpha$ -.aminoadipyl *L*  
cysteinyl *D* valine synthetase genes.

DNC C1001-009529  
 TI Microbial production of cephalosporin C or its derivatives, useful as intermediates for antibiotics, in cells transformed with a gene encoding CPC (cephalosporin C) acetylhydrolase.  
 DC B 2 D16  
 IN BARREDO FUENTH, J L; CAMPOY GARCIA, S; CASQUEIRO BLANCO, F J; DIEZ GARTIA, B; FIERRO FIERRO, F; GUTIERREZ MARTIN, S; MARTIN MARTIN, J F; VELASCO ALVAREZ, J  
 PA (ANTI) ANTIBIOTICOS SAU  
 CYC 93  
 PI WO 2000061767 A1 20000119 200104) \* ES 63p  
 RW AT BE CH CY DE DK EA ES FI FR GB  
 GH GM GR IE IT KE LS LU MC MW NL  
 OA PT SD SE SL SZ TS UG ZW  
 W AE AG AL AM AT AU AZ BA BB BG BR  
 BY CA CH CN CR CU CZ DE DK DM ES  
 EE ES FI GB GD GE CH GM HR HU ID  
 IL IN IS JP KE KG KP KR KG MC LF  
 LR LS LT LU LV MA MD MG MK MN MW  
 MX NO NS PL PT RO EU SD SE SG SI  
 SK SL TJ TM TR TT TZ UA UG US UZ  
 VN YU EA ZW  
 AU 2000035595 A 20001114 200108)  
 ES 2156812 A1 20010716 200147)  
 EP 1170369 A1 20020109 200205) EN  
 R. AL AT BE CH CY DE IE ES FI FR GB  
 GR IE IT LI LT LU LV MC MK NL PT  
 RO SE SI  
 ES 2156812 B1 20020301 (200225)  
 ADT WO 2000061767 A1 WO 2000-ES126 20000407;  
 AU 2000035595 A AU 2000-35595  
 20000407; ES 2156812 A1 ES 1999-731  
 19990409, EP 1170369 A1 EP 2000 914189  
 20000407, WO 2000-ES126 20000407; ES  
 2156811 B1 ES 1999-731 19990409  
 FDT AU 2000035595 A Based on WO 200061767; EP  
 1170369 A1 Based on WO 200061767  
 PRAI ES 1999-731 19990409  
 AN 2001-031587 [04] WPIDS  
 AB WO 200061767 A UPAB: 20010118  
 NOVELTY Production of cephalosporin C (CPC) (I), or its deacetylated derivatives and/or their synthesis intermediates, comprising growing a microbial host transformed with a DNA sequence that includes the cahB gene encoding A. chrysogenum (II) under conditions where it is either expressed or inactivated, is new.  
 DETAILED DESCRIPTION INDEPENDENT CLAIMS are also included for the following:  
 (a) a DNA sequence (N1) of 1621 bp given in the specification, representing the cahB gene of *Acremonium chrysogenum*;  
 (b) nucleotide sequences (N1') that hybridize with (N1);  
 (c) a nucleic acid molecule (N1)

of the endogenous gene).  
 USE (II) is used for removal of acetyl groups, especially from the 3'-carbon of CPC or from 7-aminocephalosporanic acid, to give deacetylated products useful as intermediates for cephalosporin antibiotics.  
 ADVANTAGE Inactivation of the gene that expresses (II) increases production of cephalosporins by *A. chrysogenum*.  
 Dwg. 0/12

= s atcc 20338 and protease  
 L16 ( ATCC 20338 AND PROTEASE

= index bioscience  
 FILE 'DRUGMONOG' ACCESS NOT AUTHORIZED  
 COST IN U.S. DOLLARS  
 SINCE FILE TOTAL

ENTRY SESSION  
 FULL ESTIMATED COST  
 9 17 39.76

INDEX 'ADISALERTS, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUASCI, BIOPHARMA, BIOPHARMA, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DRUGB, DRUGLAUNCH, DRUGMONOG2, . . .'  
 ENTERED AT 15:30:39 ON 31 JUL 2002

63 FILES IN THE FILE LIST IN STNINDEX

Enter SET DETAIL ON to see search term postings or to view search error messages that display as 0\* with SET DETAIL OFF.

= s atcc 20338 and protease  
 34 FILES SEARCHED...  
 0\* FILE WFINDEX

0 FILES HAVE ONE OR MORE ANSWERS, 63 FILES SEARCHED IN STNINDEX

L16 QUE ATCC 20338 AND PROTEASE

= s atcc 20338 and protease  
 1 FILE GENBANK  
 47 FILES SEARCHED...  
 2 FILE USPATFULL  
 0\* FILE WFINDEX

2 FILES HAVE ONE OR MORE ANSWERS, 63 FILES SEARCHED IN STNINDEX

L16 QUE 20338 AND PROTEASE

FULL ESTIMATED COST  
31.80 71.56

STN INTERNATIONAL LOGOFF AT 16:06:20 ON 31 JUL  
2002